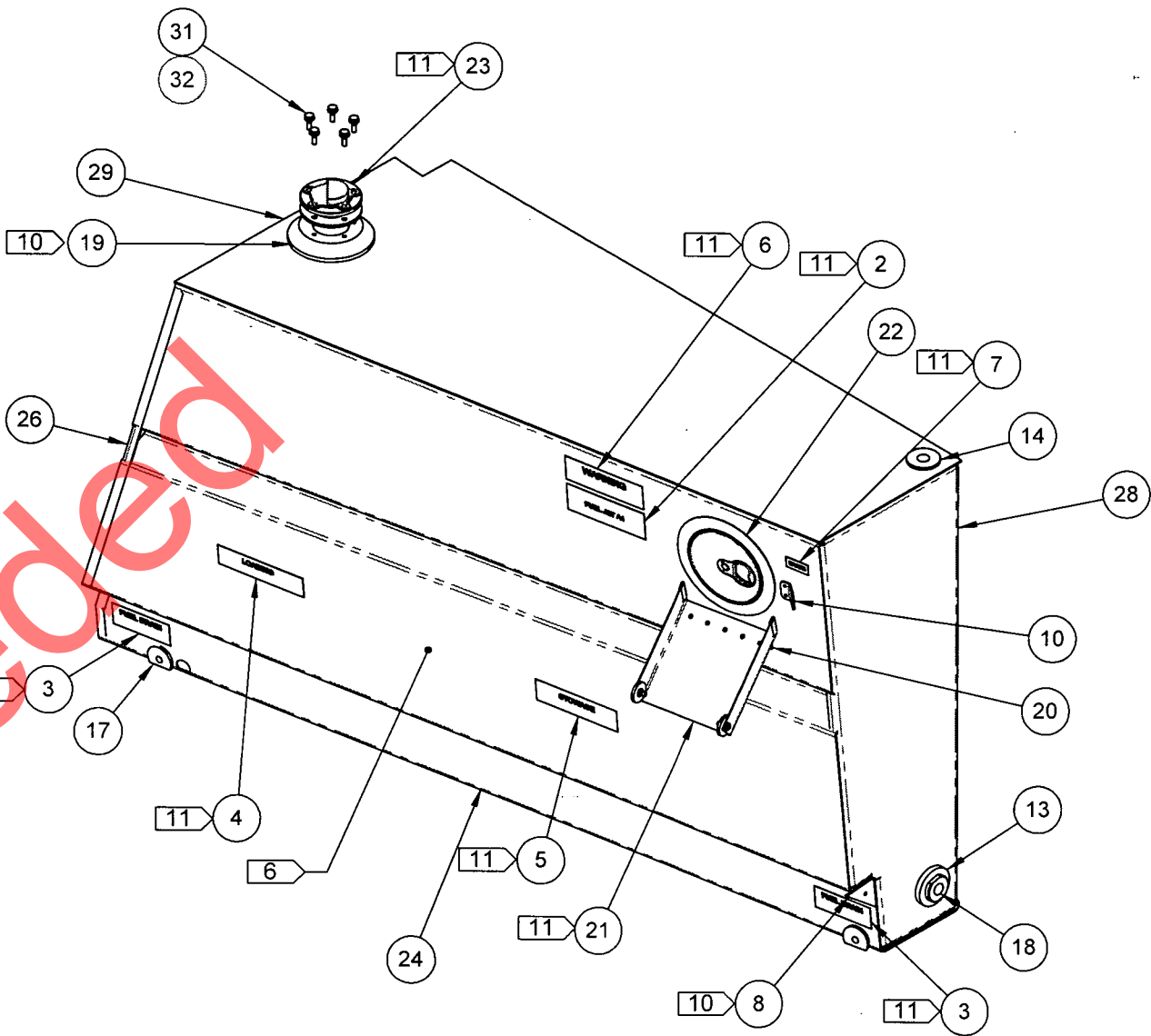


ITEM NO.	QTY. -041	PART NUMBER	DESCRIPTION
1	X	D4055-041	FUEL TANK ASSEMBLY
2	1	D3999-1	PLACARD "FUEL JET A1"
3	2	D3997-5	PLACARD "AUX FUEL DRAIN"
4	1	D3997-11	PLACARD "LOADING"
5	1	D3997-17	PLACARD "STOWAGE"
6	1	D3997-29	PLACARD "WARNING"
7	1	D3997-43	PLACARD "EARTH"
8	1	D3999-7	CORNER
9	1	D3999-9	ANGLE
10	1	D3999-11	EARTH TAB
11	1	D3999-041	BAFFLE ASSEMBLY, AFT
12	1	D3999-043	BAFFLE ASSEMBLY, FWD
13	1	D4000-1	FUEL SUPPLY FITTING
14	1	D4000-5	FUEL TANK VENT FITTING
15	3	D4000-9	GROMMET
16	1	D4000-043	AFT FUEL SUMP DRAIN ASSEMBLY
17	1	D4000-045	FORWARD FUEL SUMP DRAIN ASSEMBLY
18	1	D4000-047	FUEL PICK UP AND STRAINER ASSEMBLY
19	1	D4001-1	FITTING
20	1	D4008-11	TANK HINGE HALF
21	1	D4008-041	FUEL FILLER SPLASH GUARD ASSEMBLY
22	1	D4023-1	FUEL CAP
23	1	D4025-1	FUEL SENDER
24	1	D4055-11	TANK FRONT AND BOTTOM
25	1	D4055-9	TANK BACK
26	1	D4055-7	TANK FORWARD END
27	1	D4055-5	TANK UPPER CUT OUT
28	1	D4055-3	TANK AFT END
29	1	D4055-1	TANK TOP
30	3	D4057-1	RETAINING RING
31	5	AN3H5A	BOLT
32	5	NAS1149D0363J	WASHER



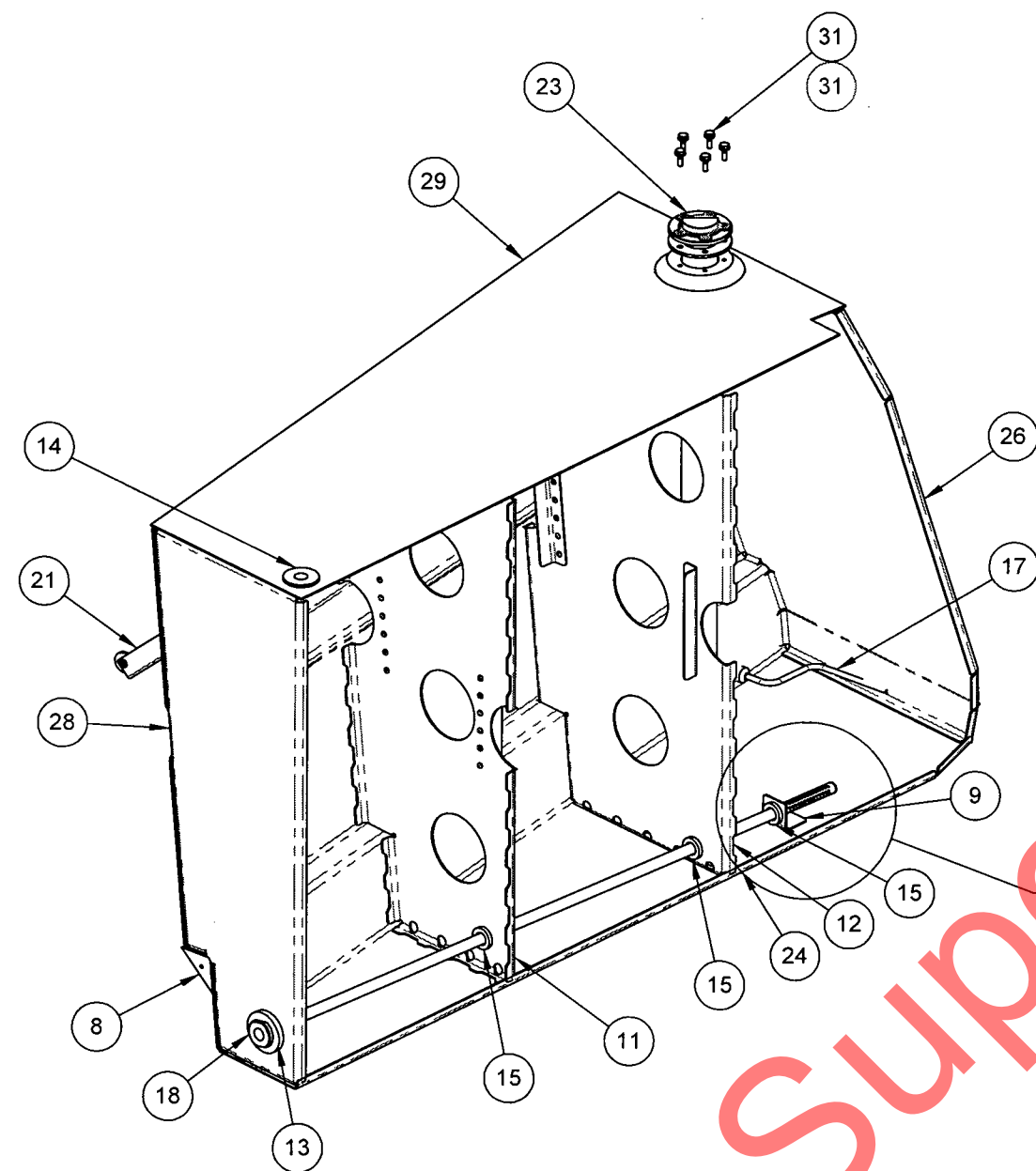
D4055-041 AUX TANK

NOTES:

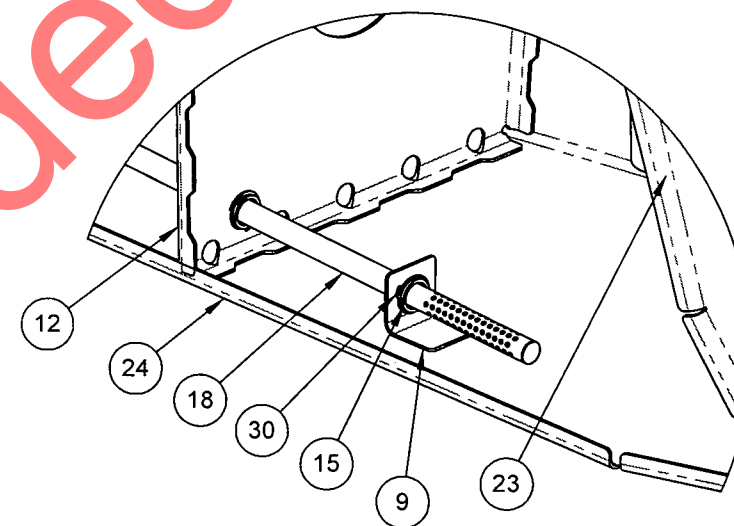
- 1) MATERIAL: N/A
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
POWDER COAT "GREY SANDTEX" (4.3.5.6) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D350-794-041" USING D2729-1 RED DECAL
- 7) WEIGHT: 27.57 lbs
- 8) WELD PER DART QSI 004
- 9) CAP ALL TANK ACCESS POINTS AND PRESSURIZE TANK TO 1.5 PSI AFTER ASSEMBLY. VERIFY NO LEAKS.
- 10) MASK PRIOR TO POWDER COAT
- 11) INSTALL AFTER POWDER COAT

RELEASED
2010-05-05
MT

A	NEW ISSUE	BY	10.04.16
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	10.04.16		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		REV. A SHEET 1 OF 15	
DRAWING NO. D4055		TITLE TANK	
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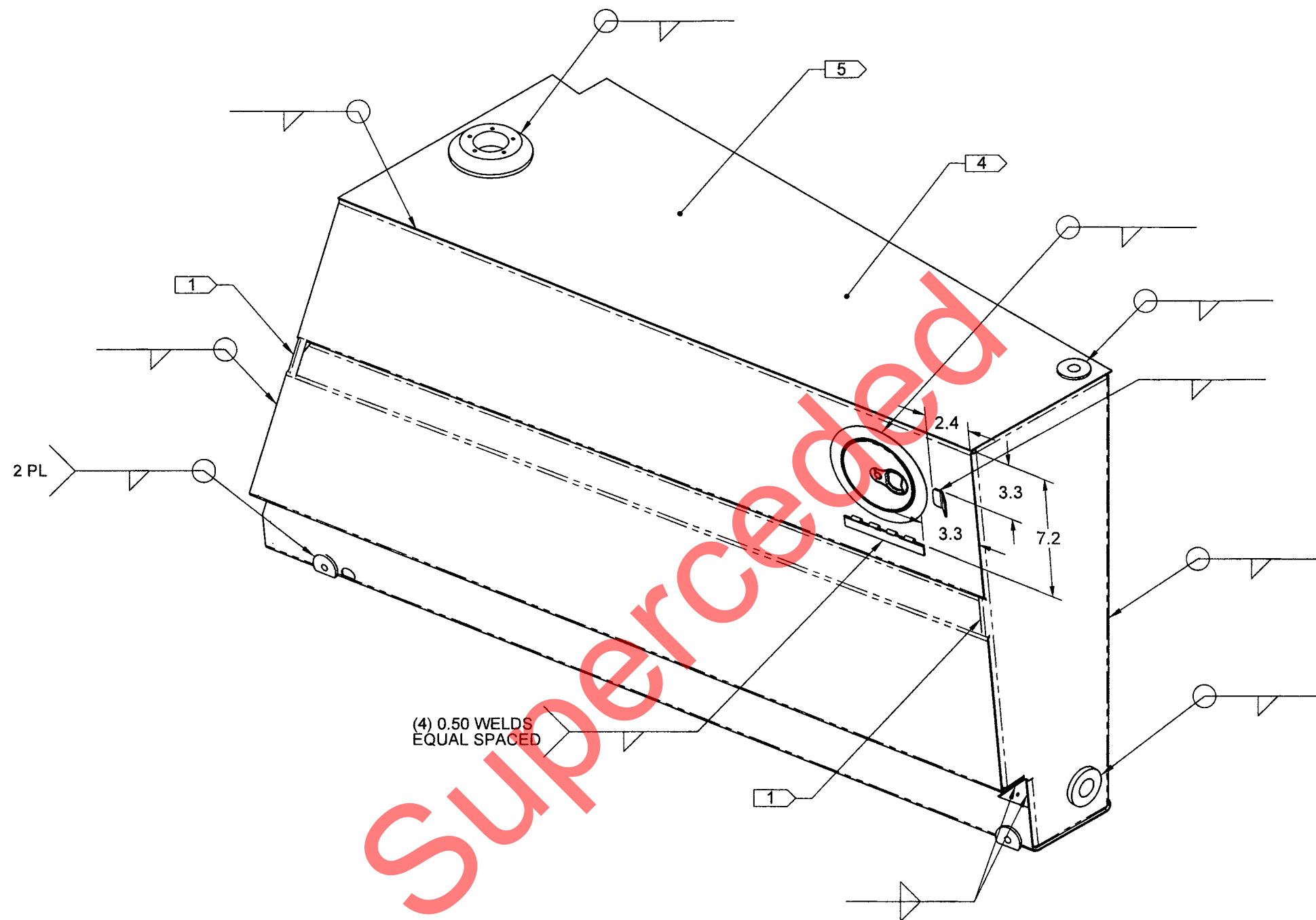
D4055-041 AUX TANK
D4055-9 TANK BACK REMOVED
TO SHOW INTERIOR DETAIL



DETAIL A B5-2
ROTATED FOR CLARITY
SCALE: 2X

RELEASED
2010-05-05
JM

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4055	SHEET 2 OF 15
APPROVED		TITLE	SCALE
DE APPR.		TANK	NTS
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D4055-041 AUX TANK
WELDING DETAIL

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2010-05-05
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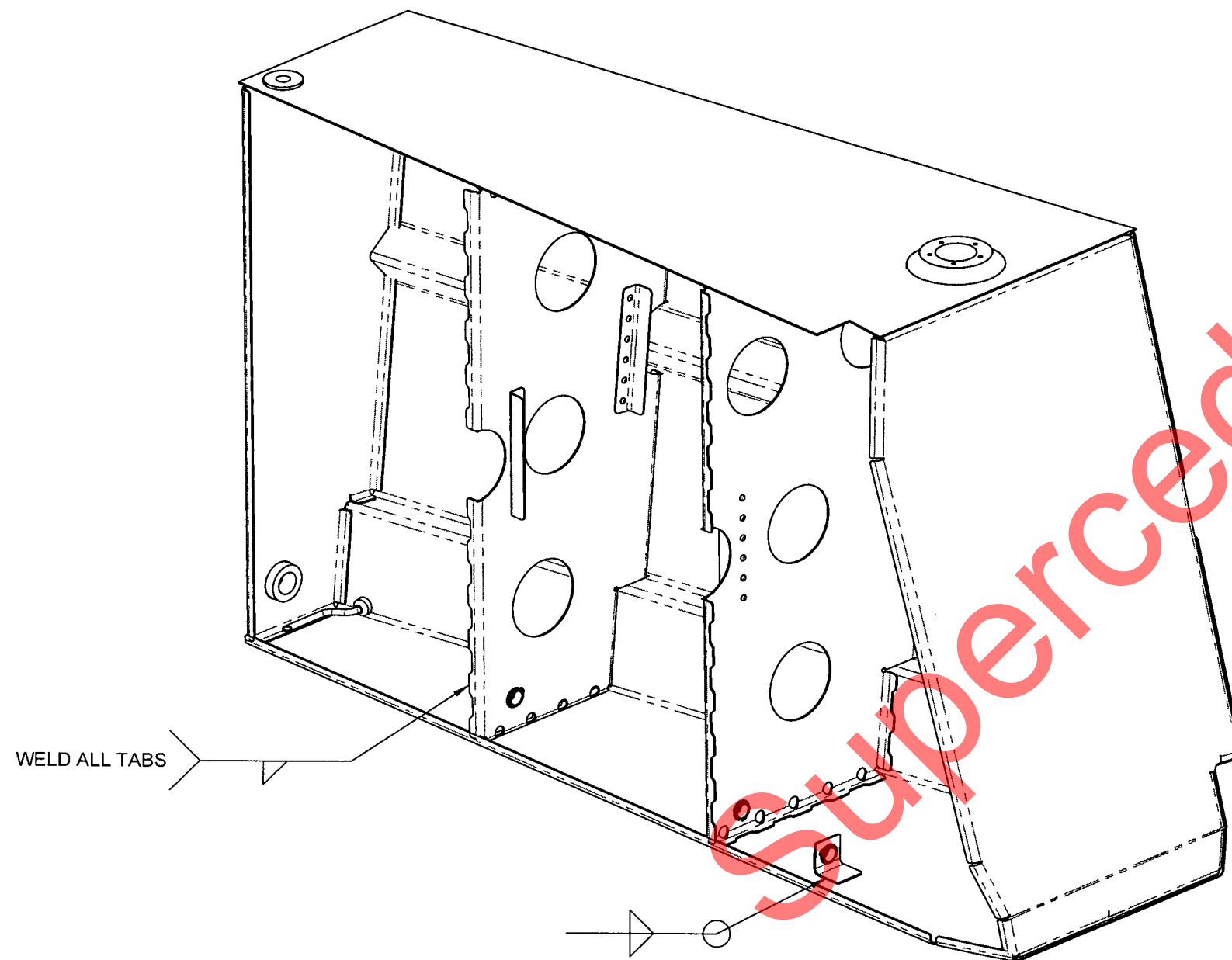
NOTES:

- 1) TRIM FLANGES AS REQUIRED TO FIT ASSEMBLY
- 2) FINAL CHECK BEFORE LAST PANEL INSTALLED:
 - END OF FUEL PICK UP TUBE IS 0.60 OFF THE TANK FLOOR AND 1.96 FROM SIDE WALL
 - FWD AND AFT DRAIN TUBES EXTEND TO CENTER OF TANK
 - ALL SWarf REMOVED
- 3) AFTER FINAL ASSEMBLY, SLOSH FUEL TANK WITH MIL-S-4383 OR EQUIVALENT (PR-1005-L BUNA-N-SLOSH) SLOSHING SEALER. ENSURE FILTERS, FITTINGS AND SENDER UNITS ARE REMOVED AFTER WELDING
- 4) ACCEPTABLE TO DRILL 6 (TYP) Ø0.312 HOLES IN TANK TOP TO WELD TOP TO AFT BAFFLE (1 HOLE PER BAFFLE TAB)
- 5) ACCEPTABLE TO DRILL 7 (TYP) Ø0.312 HOLES IN TANK TOP TO WELD TOP TO FWD BAFFLE (1 HOLE PER BAFFLE TAB)

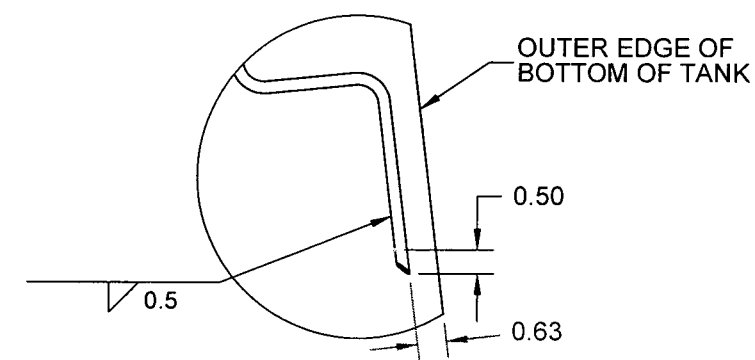
DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4055	SHEET 3 OF 15
APPROVED		TITLE	SCALE
DE APPR.		TANK	NTS
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D4055-041 AUX TANK
WELDING DETAIL

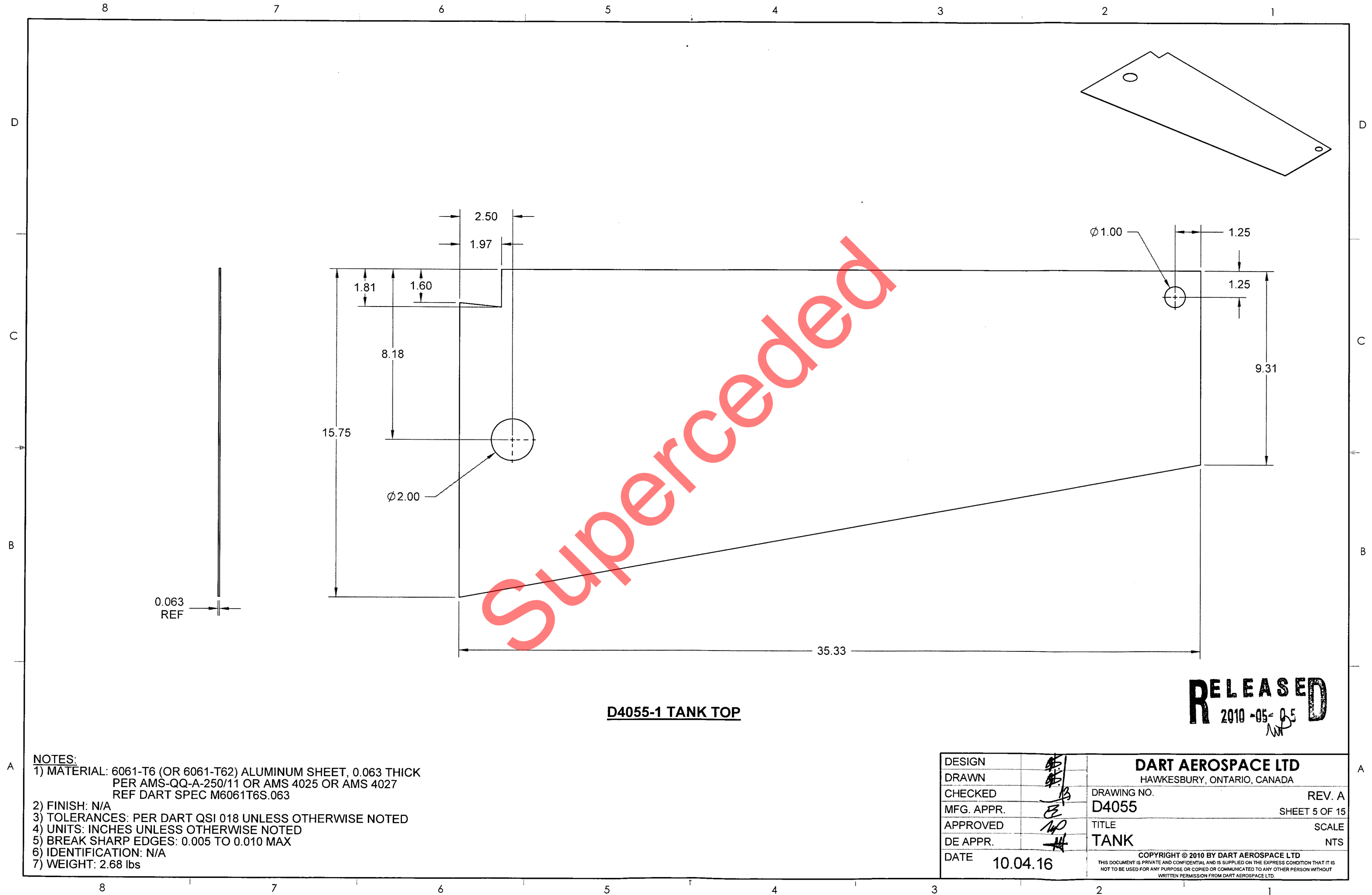


DRAIN TUBE INSTALLATION - TYP
VIEWED FROM ABOVE
FWD END SHOWN, AFT END OPPOSITE

RELEASED
2010-05-05
MP

DESIGN	<i>AS</i>	DART AEROSPACE LTD	
DRAWN	<i>AS</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>EB</i>	DRAWING NO.	REV. A
MFG. APPR.	<i>EB</i>	D4055	SHEET 4 OF 15
APPROVED	<i>MP</i>	TITLE	SCALE
DE APPR.	<i>SA</i>	TANK	NTS
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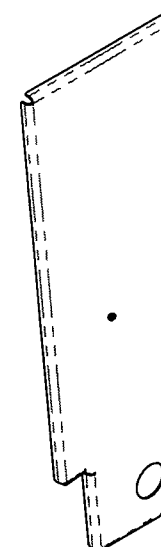
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D4055-3 TANK AFT END

RELEASED
2010-05-05

NOTES:

- 1) MATERIAL: MADE FROM D4055-3F
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 1.30 lbs

DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN		
CHECKED		DRAWING NO.
MFG. APPR.		D4055
APPROVED		TITLE
DE APPR.		TANK
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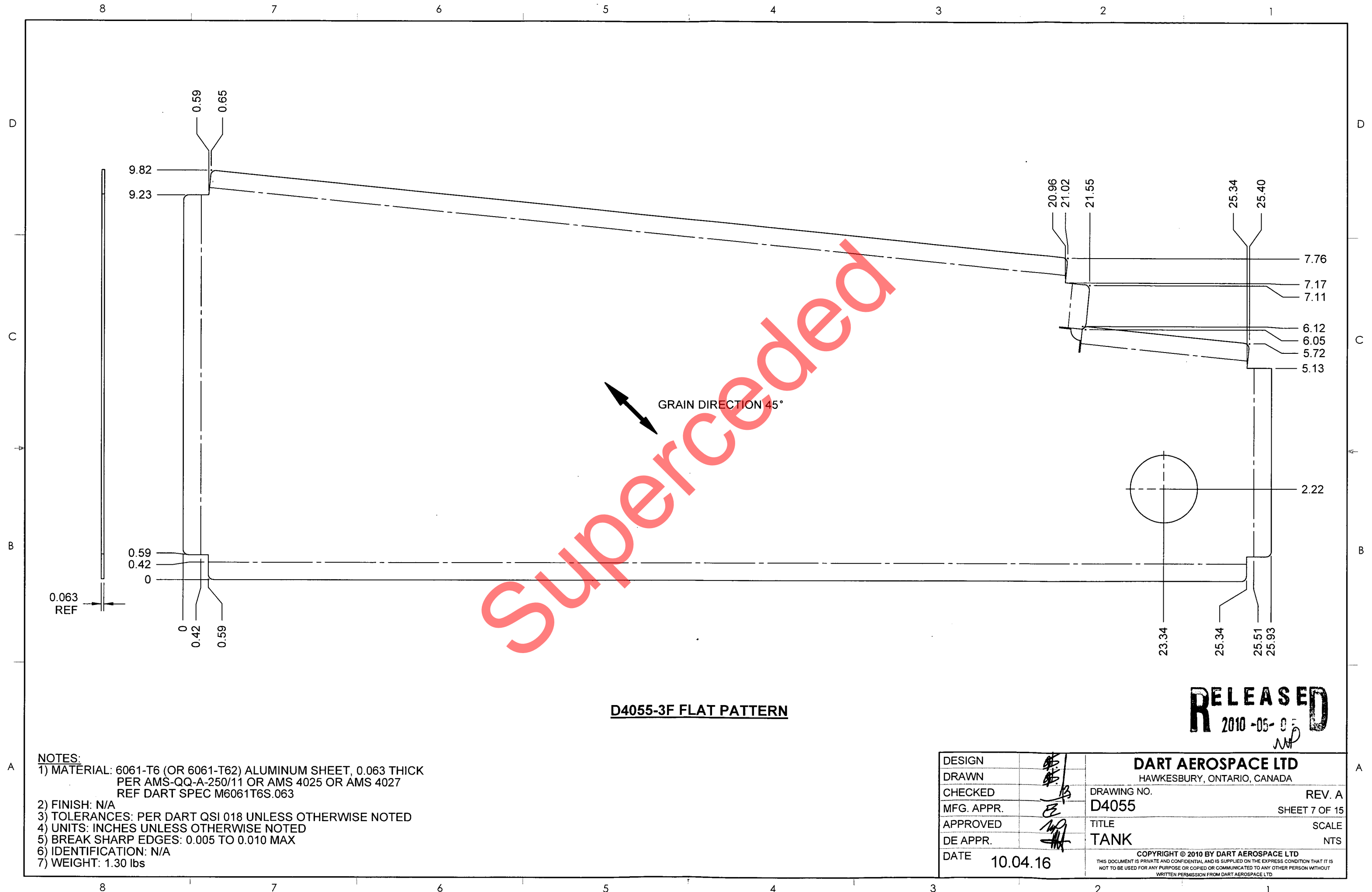
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D4055-3F FLAT PATTERN

RELEASED
2010-05-05
ND

- NOTES:**
- 1) MATERIAL: 6061-T6 (OR 6061-T62) ALUMINUM SHEET, 0.063 THICK
PER AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
REF DART SPEC M6061T6S.063
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: N/A
 - 7) WEIGHT: 1.30 lbs

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4055	SHEET 7 OF 15
APPROVED		TITLE	SCALE
DE APPR.		TANK	NTS
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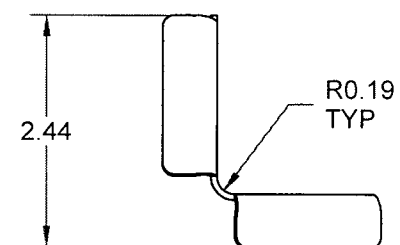
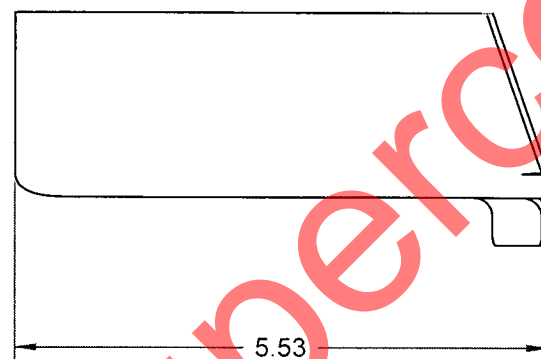
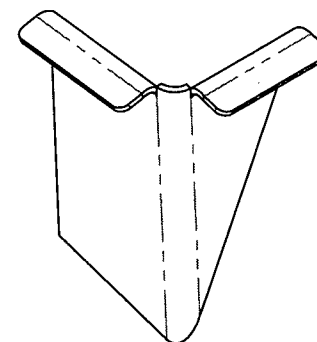
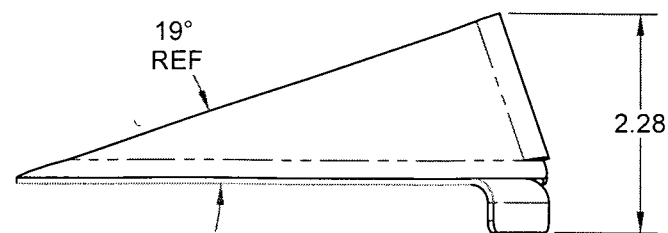
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Superceded

D4055-5 UPPER CUT OUT

RELEASED
2010-05-05
WJD

NOTES:

- 1) MATERIAL: MADE FROM D4055-5F
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.10 lbs

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4055	SHEET 8 OF 15
APPROVED		TITLE	SCALE
DE APPR.		TANK	NTS
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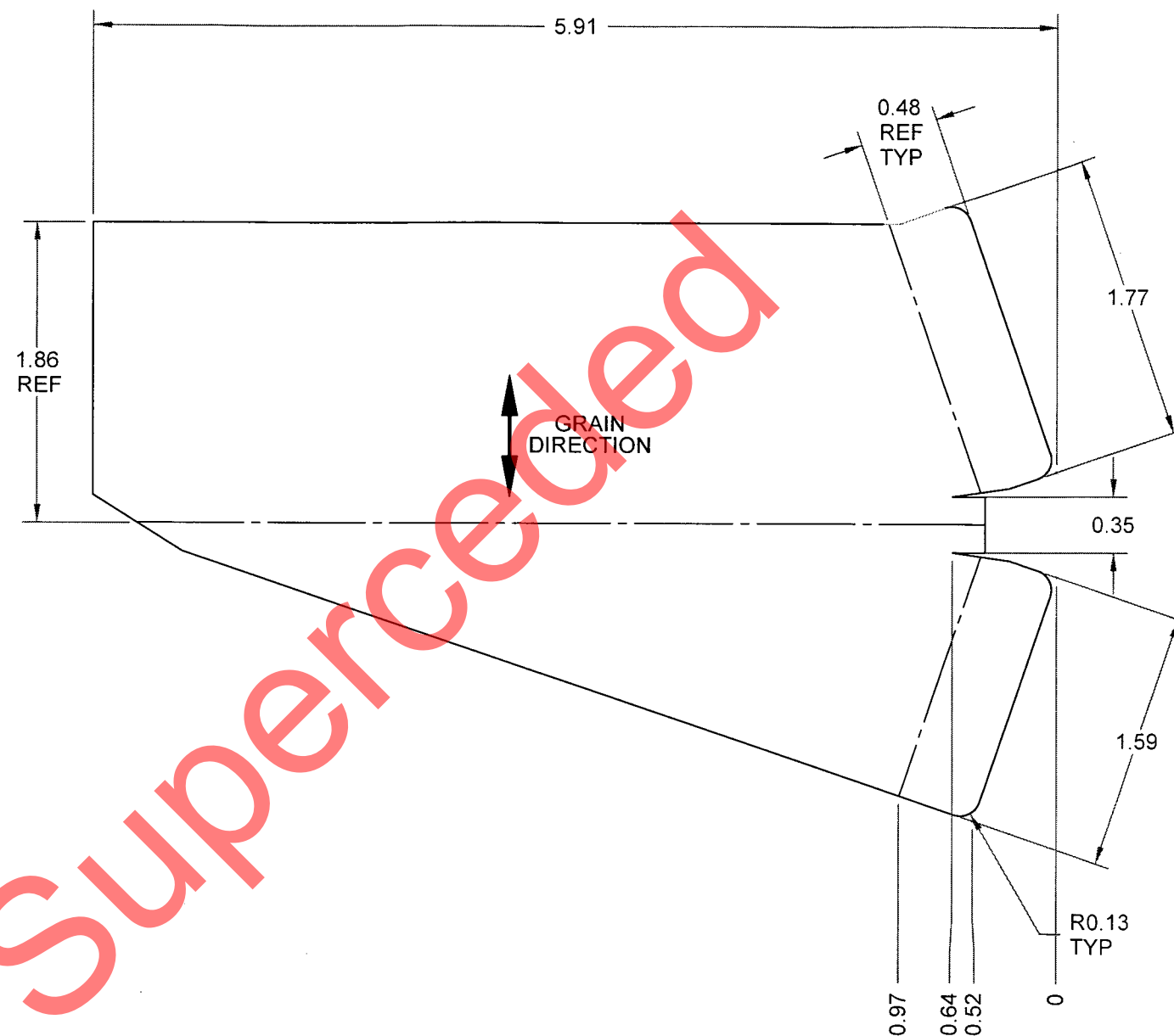
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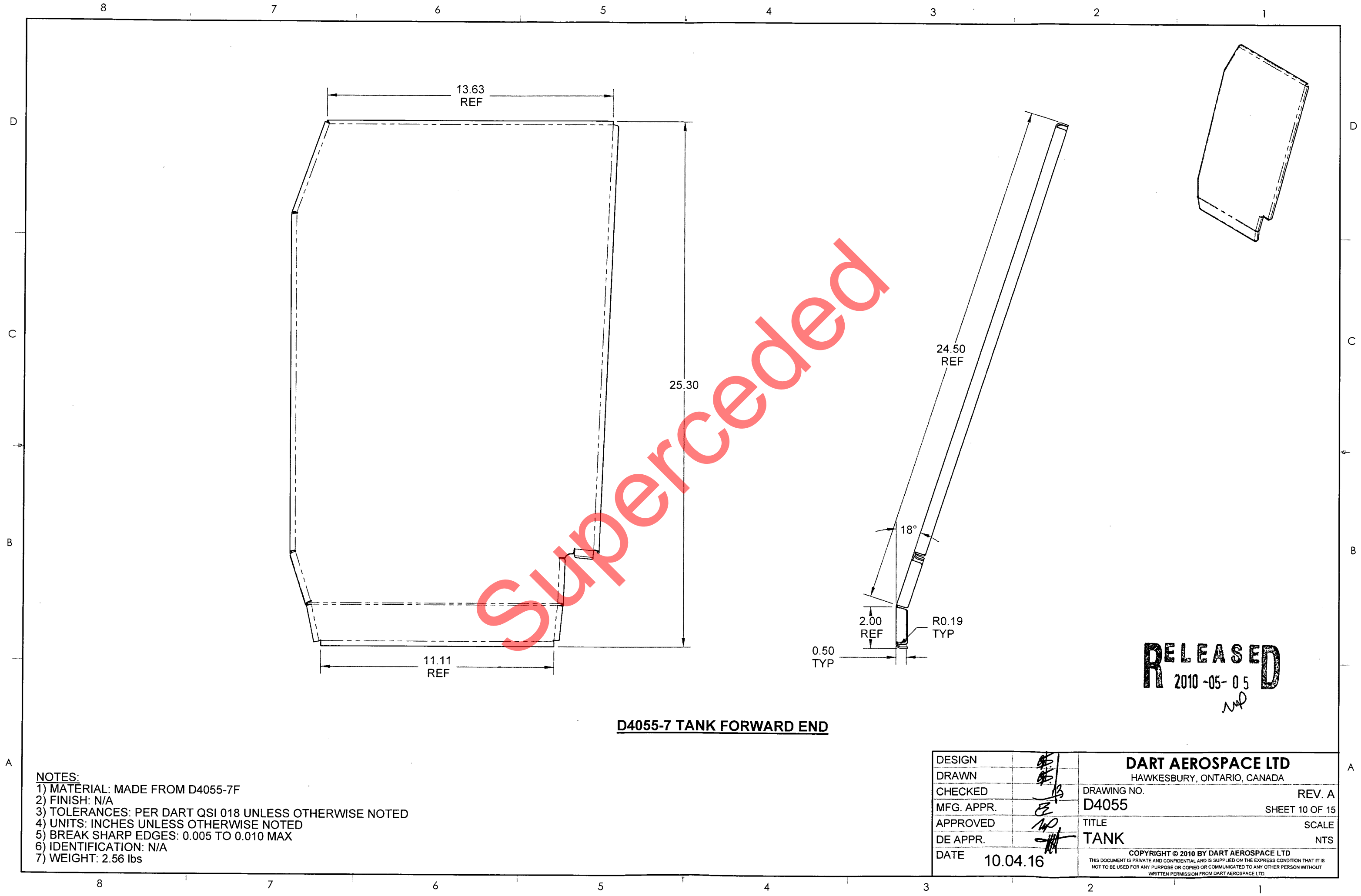
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REF

GRAIN
DIRECTION

RELEASED
2010-05-05
MAD

1) WEIGHT: 0.10 123

DESIGN	<i>JS</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	<i>JS</i>		
CHECKED	<i>B</i>	DRAWING NO.	REV. A
MFG. APPR.	<i>E</i>	D4055	SHEET 9 OF 15
APPROVED	<i>40</i>	TITLE	SCALE
DE APPR.	<i>H</i>	TANK	NTS
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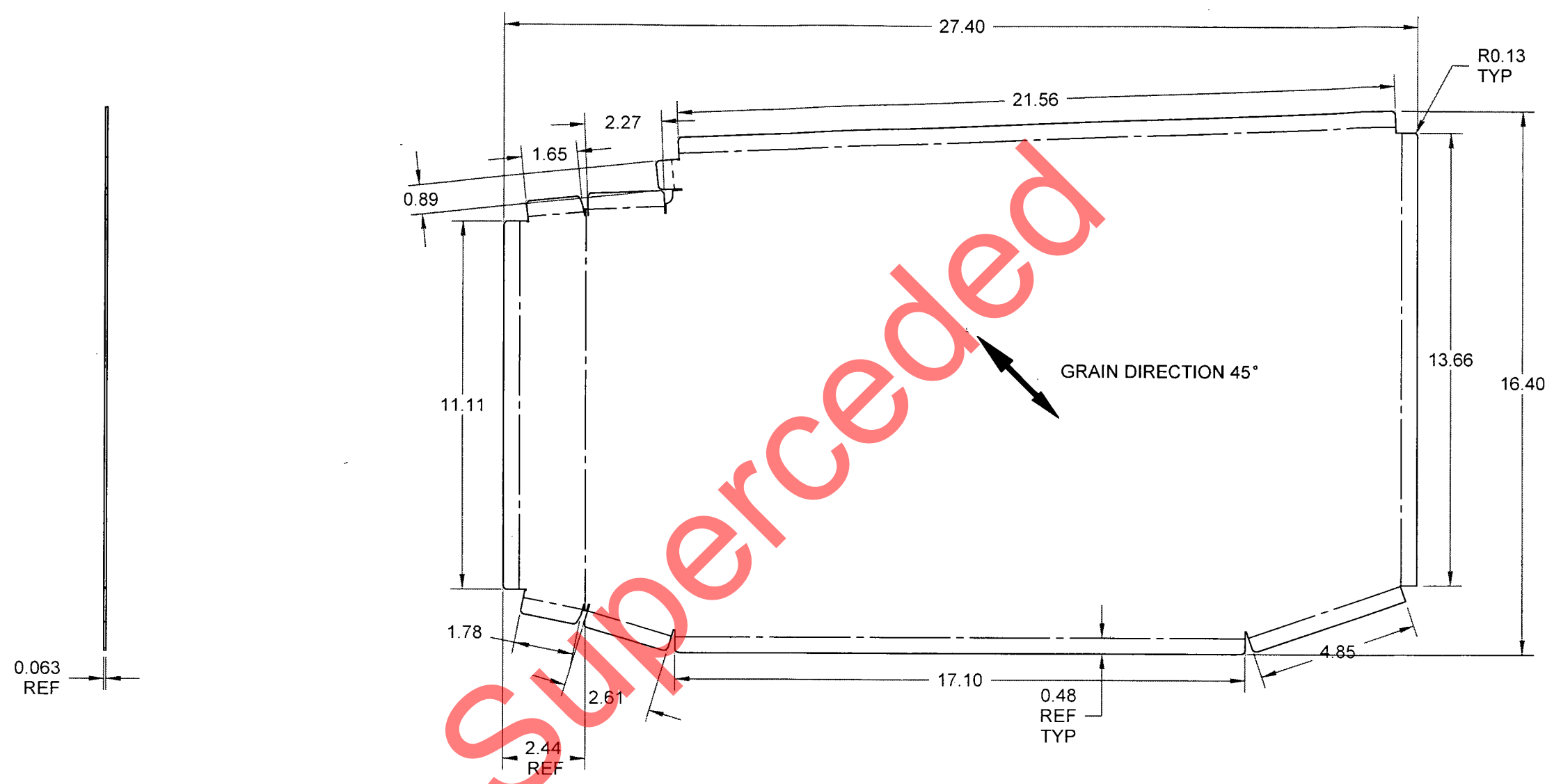
NOTES:
1) MATERIAL: MADE FROM D4055-7F
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: N/A
7) WEIGHT: 2.56 lbs

D4055-7 TANK FORWARD END

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4055	SHEET 10 OF 15
APPROVED		TITLE	SCALE
DE APPR.		TANK	NTS
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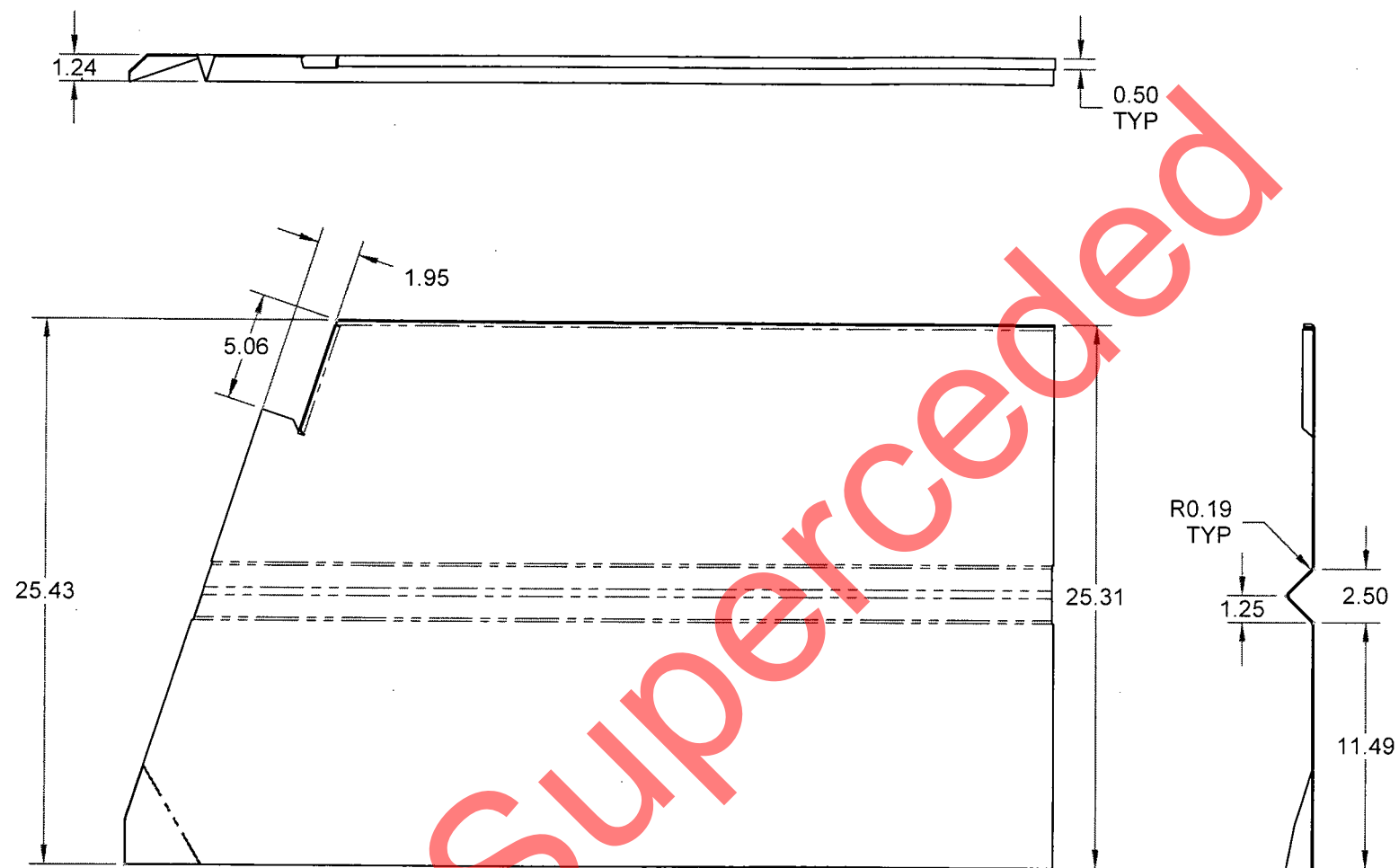


D4055-7F FLAT PATTERN

RELEASED
2010-05-05
MK

- NOTES:
- 1) MATERIAL: 6061-T6 (OR 6061-T62) ALUMINUM SHEET, 0.063 THICK
PER AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
REF DART SPEC M6061T6S.063
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: N/A
 - 7) WEIGHT: 2.56 lbs

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4055	SHEET 11 OF 15
APPROVED		TITLE	SCALE
DE APPR.		TANK	NTS
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D4055-9 TANK BACK

RELEASED
2010-05-05
MD

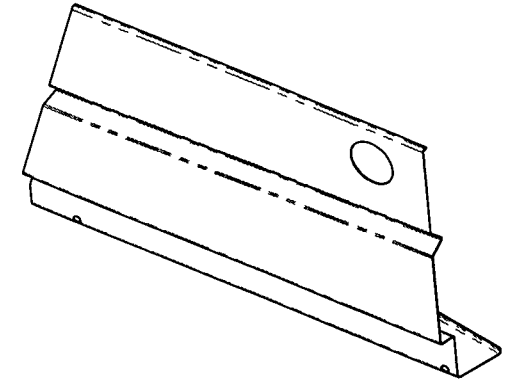
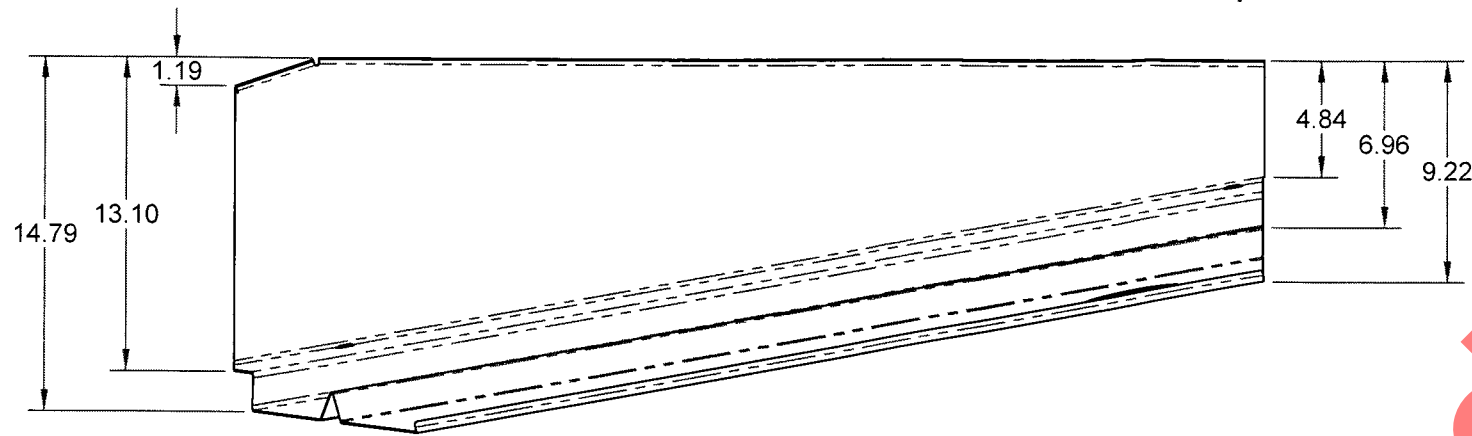
NOTES:

- 1) MATERIAL: MADE FROM D4055-9F
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 6.41 lbs

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4055	SHEET 12 OF 15
APPROVED		TITLE	SCALE
DE APPR.		TANK	NTS
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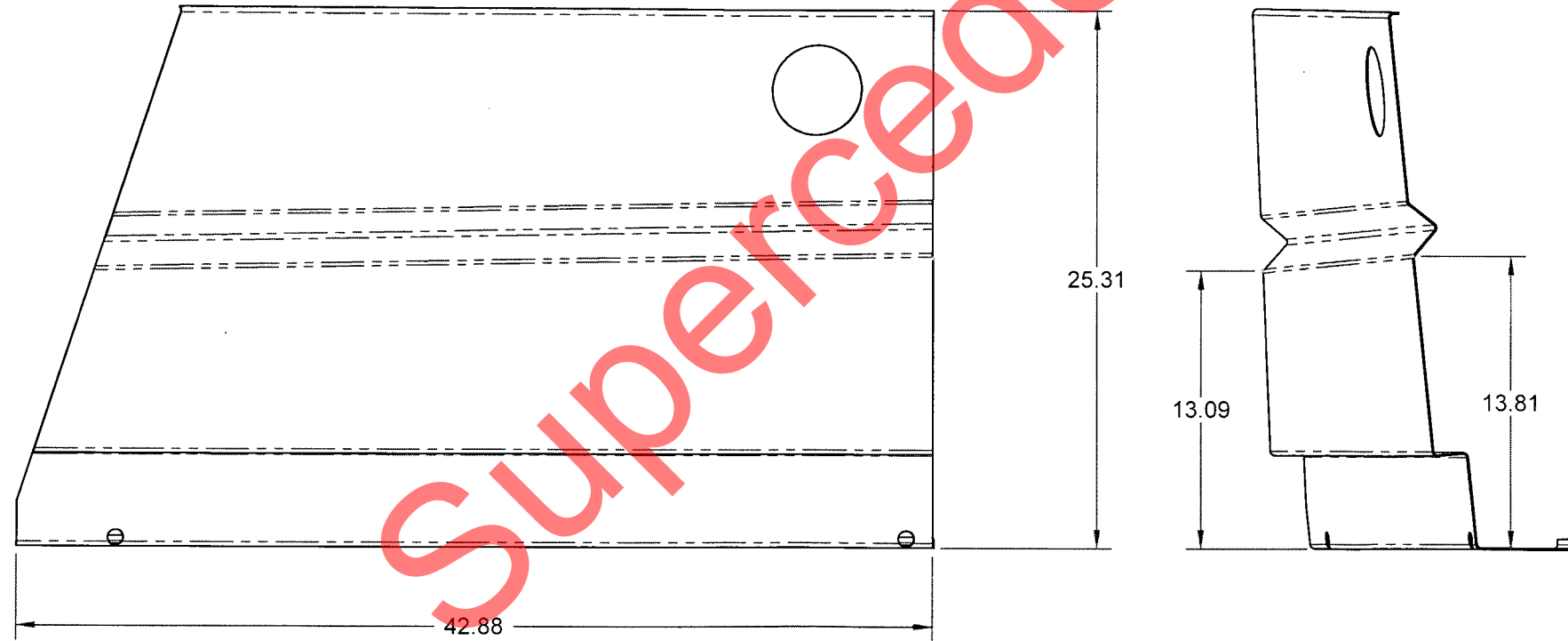
8 7 6 5 4 3 2 1

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D4055-11 TANK FRONT AND BOTTOM

RELEASED
2010-05-05
MM

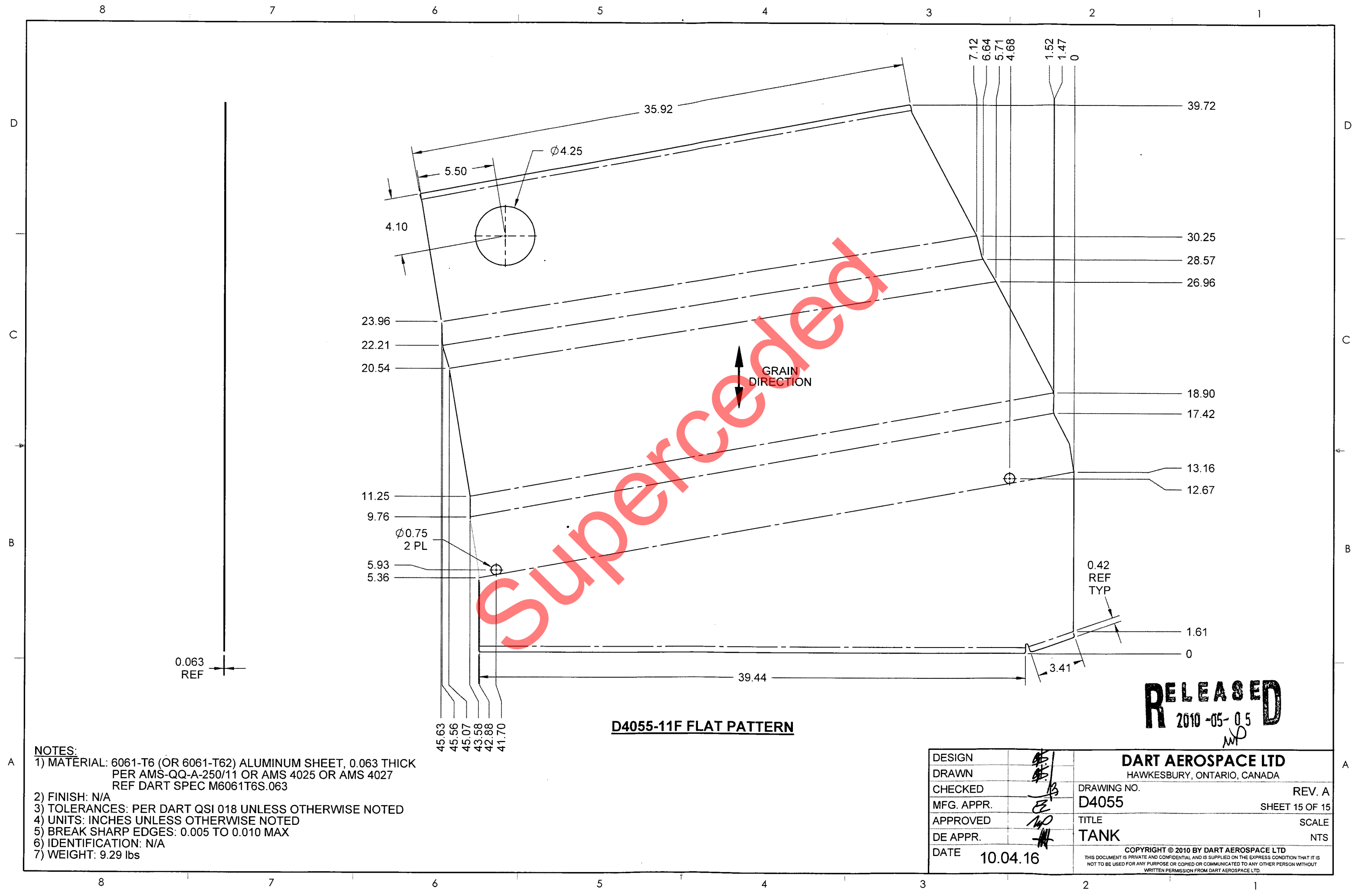
A

- NOTES:
- 1) MATERIAL: MADE FROM D4055-11F
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: N/A
 - 7) WEIGHT: 9.29 lbs

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4055	SHEET 14 OF 15
APPROVED		TITLE	SCALE
DE APPR.		TANK	NTS
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D4055-11F FLAT PATTERN

- NOTES:
- 1) MATERIAL: 6061-T6 (OR 6061-T62) ALUMINUM SHEET, 0.063 THICK
PER AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
REF DART SPEC M6061T6S.063
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: N/A
 - 7) WEIGHT: 9.29 lbs

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4055	SHEET 15 OF 15
APPROVED		TITLE	SCALE
DE APPR.		TANK	NTS
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2010-05-05
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